

P03170US/WARF-0204

60439376 .011095

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351 PLAAKTLGGILCFKPKKRAWEHVNDGPIWNLFDDESSILPALRLSYHQLP 400
|||||
351 PLAAKTLGGILCFKPKKRAWEHVNDGPIWNLFDDESSILPALRLSYHQLP 400
5
401 LQLKOCFAYCAVFFPKDAKMEKFLISMAHGFILSKGHMELEVDGDFW 450
|||||
401 LQLKOCFAYCAVFFPKDAKMEKFLISMAHGFILSKGHMELEVDGDFW 450
10
451 KKL-LRSFFQELRVKDKCTYFKMHDLIHLATSLFSANTSSNIRKINR 500
|||||
451 KELYLRSFFQELRVKDKCTYFKMHDLIHLATSLFSAMTSSNIREINKR 500
15
501 SYTHMSIGFAEVVFFYTLPLEKRFISLRVNLGDSSTENKLPSSIGDLVH 550
|||||
501 SYTHMSIGFAEVVFFYTLPLEKRFISLRVNLGDSSTENKLPSSIGDLVH 550
20
551 LRYLNLYSGGRSLPKQLCKLQNLQTLDTLQYCTKLCCLPKETSKLGLSRN 600
|||||
551 LRYLNLYSGGRSLPKQLCKLQNLQTLDTLQYCTKLCCLPKETSKLGLSRN 600
25
601 LLLDGSQSLTGNMFRIGSLTCLKTGQFVGRKKGYQLGELGNLNYGSI 650
|||||
601 LLLDGSQSLTGNMFRIGSLTCLKTGQFVGRKKGYQLGELGNLNYGSI 650
30
651 KISHLERYKNDKAKANLSAKGNLSLSMSWNNFGPHIYESREKRVLEA 700
|||||
651 KISHLERYKNDKAKANLSAKGNLSLSMSWNNFGPHIYESREKRVLEA 700
701 LKPHSNLTSKTYGPGIHLPEWNNHSLKNIVSLISWFNCSCLPEFG 750
|||||
701 LKPHSNLTSKTYGPGIHLPEWNNHSLKNIVSLISWFNCSCLPEFG 750
35
751 DLPCLSLILANGCAROVYVEVDIVNSGFTTRINFPSLRKLIDWDFGS 800
|||||
751 DLPCLSLILANGCAROVYVEVDIVNSGFTTRINFPSLRKLIDWDFGS 800
40
801 LKLLKKKEGEQFVLEEMTHCEPMATLSSNLKALTSIRICYNKVATSF 850
|||||
801 LKLLKKKEGEQFVLEEMTHCEPMATLSSNLKALTSIRICYNKVATSF 850
851 PEEMFFNLANKYLTISRCNNLPELPTSLASNAKLSL...ALESLP 894
|||||
851 PEEMFFNLANKYLTISRCNNLPELPTSLASNAKLSL...ALESLP 900
45
895 EEGLEGLSLTFLFVBNOMLNLPLSGQLHLLTFLSLKTRGCPQLIKRCE 944
|||||
901 EEGLEGLSLTFLFVBNOMLNLPLSGQLHLLTFLSLKTRGCPQLIKRCE 950
50
945 KGIGEDWKKTSIRPNVNIYI* 965
|||||
951 KGIGEDWKKTSIRPNVNIYI* 971
55

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Example 6:

The following example shows a nucleic acid comparison between the gene 2 coding regions from a disease resistant and disease susceptible variety. The top sequence is the gene 2 coding region from the resistant homolog. The bottom sequence is the gene 2 coding region